UNITED STATES PATENT AND TRADEMARK OFFICE

NOTICE OF ALLOWANCE AND FEE(S) DUE

22801	7590	06/09/2009	

LEE & HAYES, PLLC
601 W. RIVERSIDE AVENUE
SUITE 1400
SPOKANE, WA 99201

EXAMINER
NGUYEN, MERILYN P

ART UNIT	PAPER NUMBER
2163	

DATE MAILED: 06/09/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/669,612	09/24/2003	Max L. Benson	MS1-1687US	5619

TITLE OF INVENTION: CONFIGURATION OF A DIRECTORY SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	$1510	$300	$0	$1810	09/09/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: <u>Mail</u> Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

22801   7590   06/09/2009

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Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

_____ (Depositor's name)

_____ (Signature)

_____ (Date)

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10/669,612	09/24/2003	Max L. Benson	MS1-1687US	5619

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nonprovisional	NO	$1510	$300	$0	$1810	09/09/2009

EXAMINER	ART UNIT	CLASS-SUBCLASS
NGUYEN, MERILYN P	2163	707-104100

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE   (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:
☐ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**
☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)
☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____   Date _____

Typed or printed name _____   Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.   OMB 0651-0033   U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/669,612	09/24/2003	Max L. Benson	MS1-1687US	5619

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22801	7590	06/09/2009	NGUYEN, MERILYN P

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DATE MAILED: 06/09/2009

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1277 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1277 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

	Application No.	Applicant(s)
Notice of Allowability	10/669,612	BENSON ET AL.
	Examiner	Art Unit
	Merilyn P. Nguyen	2163

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the amendments dated 01/23/2009*.

2. ☒ The allowed claim(s) is/are *1-11, 13, 15-27, 29, and 31 and have renumbered as 1-27*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 01/23/2009

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

/Merilyn P Nguyen/ Examiner, Art Unit 2163	/Wilson Lee/ Primary Examiner, Art Unit 2163

DETAILED ACTION

1.   In response to the communications dated 01/23/2009 and 06/05/2009, claims 1-

11, 13, 15-27, 29 and 31 are active in this application as the result of the cancellation of

claims 12, 14, 28, 30 and 32-35, and in the condition for allowance.

Information Disclosure Statement

2.   The information disclosure statement (IDS) submitted on 01/23/2009 is in

compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure

statement is being considered by the examiner.

Examiner's Amendment

3.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

Kayla Brant, Reg. No. 46,576 on June 5, 2009.

The application has been amended as follows:

1. (Currently Amended) A method for configuring a data processing system that

interacts with multiple data sources via a set of respective management agents,

comprising:

creating configuration information used for modifying the data processing system;

and

automatically applying the configuration information to modify the data

processing system by making a change to the set of management agents by

matching partitions specified in the configuration information with partitions

associated with an existing management agent or data source, the matching

comprising:

automatically matching a first set of file-specified partitions with existing

partitions, leaving a second set of file-specified partitions that are not

automatically matched; and

manually matching the second set of file-specified partitions with existing

partitions.

2. (Original) The method according to claim 1, further comprising:

after creating the configuration information, exporting the configuration information to

a storage location; and

importing the configuration information from the storage location to the data

processing system were it is automatically applied.

3. (Original) The method according to claim 1, wherein the configuration information contains a configuration description that is used by the data processing system to add a new management agent to the set of management agents, and the applying modifies the data processing system by adding the new management agent.

4. (Original) The method according to claim 1, wherein the configuration information contains a configuration description that is used by the data processing system to update an existing management agent within the set of management agents, and the applying modifies the data processing system by updating the existing management agent.

5. (Original) The method according to claim 1, wherein the configuration information contains a configuration description that is used by the data processing system to configure plural management agents within the set of management agents, and the applying modifies the data processing system by configuring the plural management agents.

6. (Currently Amended) The method according to claim 1, wherein the data

processing system includes a first rule set for governing the behavior of global

aspects of the data processing system, and a second rule set for governing the

behavior of individual management agents in the set of management agents, and

wherein the configuration information contains a first part that contains a description

used for modifying the first rule set and a second part that contains a description

used for modifying the second rule set.

7. (Original) The method according to claim 1, wherein the data processing

system includes a metadirectory system for managing directories associated with

the data sources.

8. (Original) The method according to claim 7, wherein metadirectory system

includes a core storage area for storing aggregate information collected from plural

of the data sources.

9. (Original) The method according to claim 8, wherein the metadirectory system

includes a first rule set for governing the behavior of the core storage area, and a

second rule set for governing the behavior of individual management agents in the

set of management agents, and wherein the configuration information contains a first

part that contains a description used for modifying the first rule set and a second part

that contains a description used for modifying the second rule set.

10. (Original) The method according to claim 1, wherein the configuration

information is expressed declaratively using a mark-up language.

11. (Original) The method according to claim 1, wherein the configuration

information includes a configuration description, and the applying involves

comparing the configuration description with an existing configuration of the data

processing system to provide a comparison result, and modifying the data

processing system based on the comparison result.

12. (Canceled)

13. (Currently Amended) The method according to ~~claim 12~~ claim 1, wherein the

applying employs different matching routines for different respective types of

management agents.

14. (Canceled)

15. (Currently Amended) The method according to ~~claim 12~~ claim 1, wherein the

manual matching provides a UI presentation to assist the user in performing the

manual matching of partitions.

16. (Original) The method according to claim 1, wherein the data processing system

is employed in a production environment of an organization, and wherein the

creating of the configuration information is performed in a lab system.

17. (Currently Amended) An infrastructure for updating a data processing system

that interacts with multiple data sources via a set of respective management agents,

comprising:

a lab environment containing a lab system, the lab system including a computing

device encoded with logic configured to create configuration information used for

modifying the data processing system; and

a production environment containing the data processing system, the data

processing system including configuration logic that is configured to automatically

apply the configuration information to modify the data processing system by making

a change to the set of management agents by matching partitions specified in the

configuration information with partitions associated with an existing management

agent or data source, the matching comprising:

automatically matching a first set of file-specified partitions with existing

partitions, leaving a second set of file-specified partitions that are not

automatically matched; and

manually matching the second set of file-specified partitions with existing partitions.

18. (Original) The infrastructure according to claim 17, wherein the lab system further includes logic configured to export the created configuration information to a storage location, and the production system further includes logic configured to import the configuration information from the storage location to the data processing system.

19. (Original) The infrastructure according to claim 17, wherein the configuration information contains a configuration description that is used by the data processing system to add a new management agent to the set of management agents, and wherein the configuration logic is configured to modify the data processing system by adding the new management agent.

20. (Original) The infrastructure according to claim 17 wherein the configuration information contains a configuration description that is used by the data processing system to update an existing management agent within the set of management agents, and the configuration logic is configured to modify the data processing system by updating the existing management agent.

21. (Original) The infrastructure according to claim 17, wherein the configuration information contains a configuration description that is used by the data processing system to configure plural management agents within the set of management

agents, and the configuration logic is configured to modify the data processing

system by configuring the plural management agents.

22. (Currently Amended) The infrastructure according to claim 17, wherein the

data processing system includes a first rule set for governing the behavior of global

aspects of the data processing system, and a second rule set for governing the

behavior of individual management agents in the set of management agents, and

wherein the configuration information contains a first part that contains a description

used for modifying the first rule set and a second part that contains a description

used for modifying the second rule set.

23. (Original) The infrastructure according to claim 17, wherein the data

processing system includes a metadirectory system for managing directories

associated with the data sources.

24. (Currently Amended) The infrastructure according to claim 23, wherein the

metadirectory system includes a core storage area for storing aggregate information

collected from plural of the data sources.

25. (Original) The infrastructure according to claim 24, wherein the metadirectory

system includes a first rule set for governing the behavior of the core storage area,

and a second rule set for governing the behavior of individual management agents in

the set of management agents, and wherein the configuration information contains a

first part that contains a description used for modifying the first rule set and a second

part that contains a description used for modifying the second rule set.

26. (Original) The infrastructure according to claim 17, wherein the configuration

information is expressed declaratively using a mark-up language.

27. (Original) The infrastructure according to claim 17, wherein the configuration

information includes a configuration description, and the configuration logic is

configured to compare the configuration description with an existing configuration of

the data processing system to provide a comparison result, and modify the data

processing system based on the comparison result.

28. (Canceled)

29. (Currently Amended) The infrastructure according to ~~claim 28~~ claim 17, wherein

the configuration logic is configured to perform the applying by employing different

matching routines for different respective types of management agents.

30. (Canceled)

31. (Currently Amended) The infrastructure according to ~~claim 30~~ claim 17, wherein

the configuration logic is configured to perform the manual matching by providing a

UI presentation to assist the user in performing the manual matching of partitions.

32-35. (Canceled)

Allowable subject matter

4.   The following is an examiner's statement of reason for allowance:

None of the references of record Childress (US 2004/0249828), Anthe (US

2003/0236865) and Benson (US 6,202,085), teaches or suggests the claimed

(Claims 1 and 17) invention having, in addition to the other limitations in the claims,

the limitation of "automatically applying the configuration information to modify the

data processing system by making a change to the set of management agents by

matching partitions specified in the configuration information with partitions

associated with an existing management agent or data source, the matching

comprising:

automatically matching a first set of file-specified partitions with existing

partitions, leaving a second set of file-specified partitions that are not

automatically matched; and

manually matching the second set of file-specified partitions with existing

partitions."

Dependent claims are allowable because they depend from base claim.

5.   Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance".

Conclusion

6.   A shortened statutory period for response to this action is set to expire 3 (three)

months and 0 (zero) day from the day of this letter. Failure to respond within the period

for response will cause the application to become abandoned (see M.P.E.P 710.02(b)).

7.   The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure.

Hitchcock US 6,487,558 discloses method for generating database server

configuration documentation.

Kaler US 6,973,466 discloses project-based configuration management method

and apparatus.

8.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Merilyn P Nguyen whose telephone number is 571-272-4026.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on 571-272-1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197.

Merilyn Nguyen

AU 2163

/Wilson Lee/
Primary Examiner, Art Unit 2163